The sum asked for under furniture,—Rs. 2,000,—is less than the amount which lapsed in 1099 and brings the total sum asked for for the Women's College to Rs. 19,832.

I hope the House will allow the grant.

PRESIDENT: I take it that the House sanctions the Demand.

The grant was made.

DEMAND XIII—AGRICULTURE AND FISHERIES.

MR. K. PARAMESVARAN PILLAI (*Ag. Director of Agriculture and Fisheries*): Sir, I rise to move for a supplementary grant not exceeding Rs. 205 under Demand XIII—Agriculture and Fisheries. This is for the conversion of the non-departmental Fish Curing Yard, Pallittode into a departmental one. At the instance of the Malabar Coast Industries, Ltd., Alleppey, Government in 1096 sanctioned the opening of a private curing yard at that place on the company undertaking to provide the site and building required for the purpose and to meet the cost involved in maintaining the necessary staff, which consists of a Fishery Sub-Inspector on Rs 25 per mensem and two peons on Rs. 9 each per mensem. The yard was started in Tulam 1096. and the company was contributing regularly the amount required for meeting the establishment charges up till the end of 1099. It was then wound up and the contribution has accordingly ceased. The need for the curing yard, however, continues as it helps the fishermen of the locality considerably. They have submitted several memorials praying for the continuance of the yard. Their prayer appeared to be quite reasonable and hence Government have sanctioned the conversion of this private curing yard into a departmental one. The annual establishment charges will amount to Rs. 516 as already explained. As this expenditure could not be anticipated at the time of the preparation of the budget estimate no separate provision is made in the budget of the current year. But if this House will now sanction a supplementary grant of Rs. 205, I shall provide the balance amount required from the anticipated savings of the department for the year.

MR. J. JOHN NIDIRY (*Changanachery* cum *Minachil*): May I know where Pallittode is situated?

MR. K. PARAMESVARAN PILLAI (*Ag. Director of Agriculture and Fisheries*): It is in the Shertallai taluk.

PRESIDENT: I take it that the House sanctions the Demand.

The grant was made.

DEMAND XIV—INDUSTRIES.

MR. I. C. CHACKO (*Director of Industries*): I rise to move for a grant not exceeding Rs. 7,304 under Demand XIV—Industries. This demand is made up of two items. The first of these is a sum of Rs. 1,304 for enhancing the stipends tenable in the Government Carpentry and Smithery School at Quilon from Rs. 5, Rs. 6 and Rs. 7 to Rs 8, Rs. 10, Rs. 12 for the first, second and third years respectively. From

LIBRARY ARCHIVES Kerala Legislative Assembly

[Mr. I. C. Chacko.]

the commencement of the school at Quilon under the Education Department, the instruction provided has been availed of only by pupils having their homes in or near Quilon. It appears to me that the reason for this is that the communities who make the subjects taught in the school their life profession are so very poor that the apprentices are unable to find the necessary funds over and above the stipends now paid to them for their food and lodging in Quilon. To make the institution more accessible to pupils from all parts of Travancore, it is proposed to enhance the stipends. It is believed that the enhanced stipends will enable the pupils to live in Quilon without much pecuniary help from their guardians.

The second item is a sum of Rs. 6,000 for the purchase of a pipet making machine for the School of Arts. Pipes required for irrigation and sanitary purposes are now manufactured on a small scale. But the present method of manufacture is both slow and expensive. Each pipe has to be thrown and turned on a lathe by an expert potter and each potter barely makes one pipe a day. But in a pipe machine hundreds of pipes can be turned out in a day at a comparatively small cost. The pipes made in the School of Arts were tested by the P. W. D. and are found to be of very good quality. The Public Works and Agricultural departments together require about 3,000 pipes a year, and it is believed that, if pipes of good quality are supplied at low cost there will be a considerable demand for them from Municipalities and private persons.

I hope the proposals will commend themselves to the Council.

MR. S. KRISHNA AIYAR (*Mavelikara* cum *Kartikapalli*): What are the rates of the present stipends?

MR. I. C. CHACKO (*Director of Industries*): Rs. 5, Rs. 6 and Rs. 7 for the first, second and third year courses, respectively, and we are going to raise them to Rs. 8, Rs. 10 and Rs. 12 respectively. It is believed that the enhancement of the stipends will enable the pupils to live in Quilon without much pecuniary help from their guardians.

The second item is for the purchase of a pipe-making machine.

RAO BAHADUR K. A. KRISHNA AIYANGAR (*Nominated*) (*Deputy President*): Where are they manufactured now? Are they manufactured locally?

MR. I. C. CHACKO (*Director of Industries*): Yes, they are now made in the School of Arts. Such pipes have now to be lathe-thrown and turned on the lathe by an expert potter and each potter barely makes one pipe per day. By means of a machine, hundreds of pipes can be turned out in a day at a small cost. The pipes made in the School of Arts were used by the P. W. D. and are found to be of very good quality. The P. W. and the Agricultural departments require about 3,000 pipes a year. It is

LIBRARY ARCHIVES Kerala Legislative Assembly

believed that, if pipes of good quality could be supplied at a lower cost, there would be demand from Municipalities and private persons. I hope this proposal will commend itself to the Council.

MR. S. KRISHNA AIYAR (*Mavelikara* cum *Kartikapalli*) : May I know what the present requirements of the stoneware pipe are ?

MR. I. C. CHACKO (*Director of Industries*) : I said that about 3,000 would be required for the Agricultural and the P. W. departments.

MR. S. KRISHNA AIYAR (*Mavelikara* cum *Kartikapalli*) : What is the present out-put from the School of Arts ?

MR. I. C. CHACKO (*Director of Industries*) : We can barely make 500. It is surely not enough to meet public demand. The machine is capable of meeting the demands of the Agricultural department and the P. W. department, and after providing for them, with the new machinery we will be able to execute orders both from the public and from other departments.

MR. S. KRISHNA AIYAR (*Mavelikara* cum *Kartikapalli*) : At present I believe the manufacture in the School of Arts will meet the public consumption.

PRESIDENT : It is not enough to meet even that.

MR. S. KRISHNA AIYAR (*Mavelikara* cum *Kartikapalli*) : What is the estimated out-put ?

MR. I. C. CHACKO (*Director of Industries*) : I have two machines in view. One of them is capable of producing 1,000 pipes a day. The other is a hand machine of which the output will depend on the hands employed.

MR. S. KRISHNA AIYAR (*Mavelikara* cum *Kartikapalli*) : How much is required for the consumption of the public ?

PRESIDENT : He has mentioned two machines. From the machine worked by hand, the out-put depends on the number of hands employed.

MR. I. C. CHACKO (*Director of Industries*) : Both are of the same cost.

MR. S. KRISHNA AIYAR (*Mavelikara* cum *Kartikapalli*) : Which is it that is going to be purchased ?

MR. I. C. CHACKO (*Director of Industries*) : I am not sure.

MR. S. KRISHNA AIYAR (*Mavelikara* cum *Kartikapalli*) : The House must have some idea of what is proposed to be purchased.

MR. I. C. CHACKO (*Director of Industries*) : Whichever will be advantageous will be purchased. At present, I have two varieties in mind.

MR. S. KRISHNA AIYAR (*Mavelikara* cum *Kartikapalli*) : Supposing the larger variety is purchased how does he propose to utilise it ?

LIBRARY ARCHIVES Kerala Legislative Assembly

[Mr. I. C. Chacko.]

MR. I. C. CHACKO (*Director of Industries*): I do not think I am going to make use of both the machines. One is a hand-machine and the other is a power-driven machine. Both are nearly of the same price.

MR. S. KRISHNA AIYAR (*Mavelikara cum Kartikapalli*): May I know the calibre of the pipes now in use?

MR. I. C. CHACKO (*Director of Industries*): Up to 12 inches in diameter.

PRESIDENT: Do you mean the size of what is ordinarily made in the School of Arts?

MR. S. KRISHNA AIYAR (*Mavelikara cum Kartikapalli*): And now in use.

PRESIDENT: I have seen some measuring 7 or 8 inches.

MR. S. KRISHNA AIYAR (*Mavelikara cum Kartikapalli*): What are the uses to which they are put?

MR. I. C. CHACKO (*Director of Industries*): Irrigation, culverts, roads and drains.

MR. S. KRISHNA AIYAR (*Mavelikara cum Kartikapalli*): I take it that is intended for drainage also.

MR. I. C. CHACKO (*Director of Industries*): The Chief Engineer knows better about it.

MR. S. KRISHNA AIYAR (*Mavelikara cum Kartikapalli*): Does he know that Messrs. Harrisons and Crosfield make these earthenware pipes and does he think that he will be in a position to compete with that industry?

MR. I. C. CHACKO (*Director of Industries*): Yes, I know they make earthernware pipes. But we make stoneware pipes.

PRESIDENT: What Mr. Chacko proposes to make are stoneware pipes capable of resisting a higher pressure.

MR. S. KRISHNA AIYAR (*Mavelikara cum Kartikapalli*): Is it intended for drainage?

MR. I. C. CHACKO (*Director of Industries*): I do not know why the P. W. D. wants this. Orders are now received from the P. W. D. and the Agricultural departments for these pipes. It is for the purpose of those departments that the demand is made.

MR. C. SANKARA MENON (*Quilon*): What is the necessity for a Government factory for the manufacture of these pipes when they are available from other factories?

MR. I. C. CHACKO (*Director of Industries*): In the School of Arts we have to maintain several potters for the purpose of instruction. They will not be required for instruction all the time although we have to pay them for all the time. It is better to utilise their services for manufacturing things which are required for the Government departments.

LIBRARY ARCHIVES Kerala Legislative Assembly

MR. C. SANKARA MENON (*Quilon*): Is there not sufficient private industry in the country to manufacture pipes on a sufficient scale?

PRESIDENT: There is this advantage that these pipes are capable of resisting great pressure.

RAO BAHADUR K. A. KRISHNA AIYANGAR (*Nominated*) (*Deputy President*): Would not the existing firms be in a position to supply the demand if they were asked to meet it, instead of Government undertaking a commercial venture like that?

MR. I. C. CHACKO (*Director of Industries*): None of the existing firms make stoneware pipes.

PRESIDENT: It is a quasi-commercial concern.

RAO BAHADUR K. A. KRISHNA AIYANGAR (*Nominated*) (*Deputy President*): I want to ask Mr. Chacko whether he has satisfied himself that the position is not one which would land Government either in deficit or loss if the machine does not work.

MR. I. C. CHACKO (*Director of Industries*): We have considered that question.

MR. S. KRISHNA AIYAR (*Mavelikara* cum *Kartikapalli*): Can he say whether further staff may not be needed when the machine is secured?

MR. J. JOHN NIDIRY (*Changanachery* cum *Minachil*): With the existing staff, can he not manage?

PRESIDENT: I think he has already mentioned that point.

MR. JOHN MACKIE (*Planters*): For what purpose are these earthenware pipes required?

MR. I. C. CHACKO (*Director of Industries*): It is for the P. W. D.

MR. JOHN MACKIE (*Planters*): If these earthenware pipes are glazed, will they not meet the requirements of the P. W. D?

PRESIDENT: You must ask Mr. Natesa Aiyar. He wants stoneware pipes.

MR. S. KRISHNA AIYAR (*Mavelikara* cum *Kartikapalli*): Is it for a demonstration purpose and not an educational purpose?

PRESIDENT: It is for demonstration purposes also.

MR. T. K. VELU PILLAI (*Trivandrum* cum *Nedumangad*): Is it for a scientific purpose, instructional purpose or commercial purpose that he wants this machine?

MR. I. C. CHACKO (*Director of Industries*): It is for all these purposes.

MR. T. K. VELU PILLAI (*Trivandrum* cum *Nedumangad*): Is he guided by the consideration that the P. W. D. has asked for such pipes?

PRESIDENT: There is a certain amount of demand also from the P. W. D. That is what he says.

LIBRARY ARCHIVES Kerala Legislative Assembly

[Rao Bahadur K. A. Krishna Aiyangar.]

MR. T. K. VELU PILLAI (*Trivandrum cum Nedumangad*): Is he guided in the main by the fact that the P. W. D. has asked for these pipes?

MR. I. C. CHACKO (*Director of Industries*): In making my estimate, I have taken that also into consideration.

MR. T. K. VELU PILLAI (*Trivandrum cum Nedumangad*): Would it not require some amount of coal or fuel, whatever it is, to keep the machine going, whether it is 10 or 1000 pipes a day? I am putting this question because the machine need not be working all the time. How many days does he propose to work this machine in a year?

MR. I. C. CHACKO (*Director of Industries*): If I have these two orders alone, the machine will have to work only 3 days in a year.

MR. T. K. VELU PILLAI (*Trivandrum cum Nedumangad*): So, for the remaining 362 days the machine will be idle!

MR. I. C. CHACKO (*Director of Industries*): I have calculated the interest for the whole year.

MR. T. K. VELU PILLAI (*Trivandrum cum Nedumangad*): I am now speaking of the machinery being idle for the major portion of the whole year. Has he ascertained whether there will be sufficient demand from private people for such a kind of pipe?

MR. I. C. CHACKO (*Director of Industries*): I hope there will be.

MR. T. K. VELU PILLAI (*Trivandrum cum Nedumangad*): Why not then wait until he makes that enquiry?

MR. I. C. CHACKO (*Director of Industries*): There is no means of accurate estimate. I have made enquiries and I see so many pipes jutting out of the compound walls in the towns and other places.

RAO BAHADUR K. A. KRISHNA AIYANGAR (*Nominated*) (*Deputy President*): Has he ascertained the comparative cost? How does it work? Does he know how much the stoneware would cost more than the ordinary?

MR. I. C. CHACKO (*Director of Industries*): We can sell them at the ordinary rates.

MR. T. K. VELU PILLAI (*Trivandrum cum Nedumangad*): He said that there was not sufficient work for these potters in the School of Arts now.

RAO BAHADUR K. A. KRISHNA AIYANGAR (*Nominated*) (*Deputy President*): What are those hands to do for the rest of the year?

PRESIDENT: He is not going to entertain new hands.

RAO BAHADUR K. A. KRISHNA AIYANGAR (*Nominated*) (*Deputy President*): It is not after all a scientific demonstration which the Director of Industries wants to bring to the Council for a supplementary grant. It is stated to be something in the nature of a business enterprise.

LIBRARY ARCHIVES Kerala Legislative Assembly

PRESIDENT: Mr. Chacko says that it is partly for demonstration and partly for business purposes.

RAO BAHADUR K. A. KRISHNA AIYANGAR (*Nominated*) (*Deputy President*): Before he postulated this measure, Mr. Chacko must have estimated the probable demand, the probable cost of materials, wages of labour, the cost of supervision charges, and the interest on investments, and then, on the credit side, the profits that are likely to be realised, *i. e.*, so much per cent. dividend on the capital. Even if, as a business proposition, he was able to satisfy the House, it would be objectionable for Government to enter into a business proposition except for demonstration purposes. But, at the outset, we are asked to commit ourselves for going in for machinery worth over Rs. 6,000. What is to become of it hereafter? We do not know whether it is to be a successful business venture. We do not know whether we are going to supply cheaper stoneware pipes than those we are getting. We do not know whether they would suit the capacity and actual requirements of the local public. We do not know practically 99·9 per cent of the matters that should have been gone into in detail before the House is asked to commit itself to an initial expenditure. Having gone in for the machinery, the House would be stultifying itself if at a later stage it did not grant money for the purchase of materials or on account of wages.

MR. P. K. NARAYANA PILLAI (*Ambalapuzha*): May I ask who is now in possession of the House?

RAO BAHADUR K. A. KRISHNA AIYANGAR (*Nominated*) (*Deputy President*): I am just explaining why these questions are being put to Mr. Chacko.

MR. S. KRISHNA AIYAR (*Mavelikara* cum *Kartikapalli*): May I know whether any tenders—

PRESIDENT: Mr. Chacko has not answered Mr. Krishna Aiyangar's questions. He might have examined these matters.

RAO BAHADUR K. A. KRISHNA AIYANGAR (*Nominated*) (*Deputy President*): If so, those matters may be placed before the House.

PRESIDENT: Have you examined those aspects of the matter, Mr. Chacko?

MR. I. C. CHACKO (*Director of Industries*): I have examined those aspects of the matter. I am not coming to this Council for any staff to work the machine.

MR. T. K. VELU PILLAI (*Trivandrum* cum *Nedumangad*): May I know from Mr. Chacko whether the boring drill which was sanctioned a year ago has arrived?

PRESIDENT: It has nothing to do with this. I must disallow that question.

MR. T. K. VELU PILLAI (*Trivandrum* cum *Nedumangad*): I put the question so as to have an idea about the work that has been done by the various kinds of machines sanctioned to be purchased. So I wish to know how long it is since the boring drill arrived and in how many places it has been used.

LIBRARY ARCHIVES Kerala Legislative Assembly

[Mr. I. C. Chacko].

PRESIDENT: I must say that, for the present purpose, the question is irrelevant.

MR. S. KRISHNA AIYAR (*Mavelikara* cum *Kartikapalli*): I wish to know from Mr. Chacko wether tenders are being invited for the purchase of stoneware pipes for the P. W. D. or the industrial section of the Department.

MR. I. C. CHACKO (*Director of Industries*): As far as I know, stoneware pipes are not being manufactured anywhere in Southern India. I am sure the cost will be much cheaper here. The other day I wanted some stoneware pipes for my laboratory. I called for quotations and I found that we could manufacture pipes at about quarter of the cost.

MR. T. K. VELU PILLAI (*Trivandrum* cum *Nedumangad*): Has Travancore got the monopoly for that particular process for the manufacture of stonewere pipes?

MR. I. C. CHACKO (*Director of Industries*): There is no monopoly.

MR. T. K. VELU PILLAI (*Trivandrum* cum *Nedumangad*): May I know whether we have a patent for that particular process?

MR. I. C. CHACKO (*Director of Industries*): No patent either.

MR. T.K. VELU PILLAI (*Trivandrum* cum *Nedumangad*): So we cannot object to other people following the same method and establishing factories. The question of the P. W. D. asking for pipes and the hope that we may be able to sell pipes to private individuals are not important considerations.

PRESIDENT: It is partly for demonstration, that is, for explanation of the processes of manufacture to the people who want to know them.

MR. T. K. VELU PILLAI (*Trivandrum* cum *Nedumangad*): Is the kind of demonstration likely to be of any use to the people unless large factories are established?

PRESIDENT: Mr. Chacko has satisfied himself that it will be useful to the public.

MR. P. K. NARAYANA PILLAI (*Ambalapuzha*): May I know from Mr. Chacko for how many years this machine would remain serviceable?

MR. I. C. CHACKO (*Director of Industries*): Twenty years.

MR. P. K. NARAYANA PILLAI (*Ambalapuzha*): If the machine is applied for all the three purposes he mentioned?

PRESIDENT: A pipe-making machine can make pipes only. It cannot be used to make tea sets.

MR. JOHN MACKIE (*Planters*): As the success of the scheme depends upon the question of cost, would Mr. Chacko give us an idea of the same?

MR. I. C. CHACKO (*Director of Industries*): I shall give him the information if I go through the file.

LIBRARY ARCHIVES Kerala Legislative Assembly

PRESIDENT: You may give some idea as to what the cost is.

MR. I. C. CHACKO (*Director of Industries*): I know the cost is lower when compared with the pipes we get down.

MR. S. KRISHNA AIYAR (*Mavelikara cum Kartikapalli*): Sir, I object to the motion. From some of the answers given by Mr. Chacko one thing is apparent at the outset. The machinery we are asked to give our sanction for the purchase of will remain idle for 362 days out of 365 days in a year, provided it is worked to a maximum capacity. The demand, Mr. Chacko told us, was very small from the P. W. D. and other Departments and to meet that he would be satisfied with three days' work. It was purely for a commercial purpose and for the purpose of providing pipes to the P. W. D. that he asked for sanction to the purchase of the machinery. Later on, when questioned, he turns round and says that it is partly for educative and partly for commercial and other purposes. As regards the facts and figures, he has made an answer that, from enquiries made by him, he has come to the conclusion that the business would be a paying concern. But when calling upon the House to sanction an outlay of Rs. 6,000 he should convince us that the outlay would not be wasted, by giving us facts and figures. He should have told us what the cost of the pipes would be if manufactured here and the cost if imported from outside. Also as regards the materials available out of which they are manufactured, he said very little. He was not in a position to say whether glazed earthenware pipes might not suffice for the purposes which the stoneware pipes were intended to serve. On the whole, from the answers that we have now had and from the silence with which Mr. Chacko introduced the motion, the House cannot say that it is convinced or has got the necessary materials for finding whether the venture will be one of utility or of advantage and whether we should sanction this outlay. Under these circumstances, the House has to go blind-folded into the venture led by Mr. Chacko. On this ground, I object to the demand being granted.

MR. P. K. NARAYANA PILLAI (*Ambalapuzha*): I agree with my friend Mr. Krishna Aiyar in opposing the motion. As Mr. Krishna Aiyar observed, I think this is only a commercial venture. Then as a result of an answer to Mr. Velu Pillai's question, the purposes for purchasing this machine rose to three. One of this is demonstration. The purpose to be served by demonstration is not very clear. Are students in a position to get down such machinery and employ it, on being benefited by demonstrations to be conducted by Mr. Chacko? That, I fear, is out of the question. Then where is the necessity for demonstrating to students the use of this particular machinery or to others whose education would be under Mr. Chacko's care? That one particular aspect of the question may therefore be safely left out of consideration. Then Mr. Chacko has been making references to the scientific purpose. What is the particular scientific purpose? Probably, the experimental purpose is to add to Mr. Chacko's knowledge in the matter of utilising the material with which stoneware pipes may be made. It is extremely questionable whether such an expenditure as the one proposed by Mr. Chacko should be incurred for that. After all, it will resolve itself

LIBRARY ARCHIVES Kerala Legislative Assembly

[MR I. C. Chacko.]

into a question of chemical experiments and I think a humbler scale of expenditure in a laboratory should satisfy Mr. Chacko's curiosity in that respect. After eliminating these objects of Mr. Chacko, it resolves itself into one purpose and that is the commercial purpose and on that ground the proposition is extremely shaky. A machine to be got down and to be left idle for 362 days out of 365 days in a year is certainly a spectacle which cannot be said to be highly encouraging in a commercial proposition. So, on these grounds, as Mr. Krishna Aiyar put it, we have been sufficiently enlightened with respect to the situation, not purposely, of course, but because of Mr. Chacko's inability to place anything better before the House to enable it to come to a definite conclusion. In the absence of such materials, I agree that we are being led into something blindfolded. I am, therefore, at one with Mr. Krishna Aiyar in opposing the grant.

MR. C. SANKARA MENON (*Quilon*): I also oppose the motion for both the grants. The explanation of Mr. Chacko for the paucity of students in the carpentry school does not appear to be satisfactory. Mr. Chacko has not stated how he has come to the conclusion that it was on account of the poverty of the students that there were not many applicants for admission in that school. It is in my opinion on account of the course of study being high and also on account of certain qualifications for admission prescribed by Government. In the first year there was only a very limited number of applicants who were qualified according to the Government rules. Therefore, on the recommendation of Mr. Chacko, the qualification for admission was reduced. Even then the number was limited in the second year as the number of qualified persons for admission became considerably less. Therefore the paucity of the students is not due to the poverty of the students. So there must be some other cause and it appears to me that the present carpentry school and also its predecessor, both of them, have not been of benefit to the public. On that ground I oppose that grant. In regard to the other also, I agree with my friend Mr. Krishna Aiyar in opposing the motion.

MR. I. C. CHACKO (*Director of Industries*): I do not quite follow the objections raised by Mr. Krishna Aiyar and Mr. Narayana Pillai. They said that I had not made out a case, because they said that this machine is to lie idle for 362 days out of 365 days in a year, and so it is not advisable to get such a machinery now. If you go to a laboratory, you will find, for instance, microscopes, galvanometers and other instruments used only once in a year but which are necessary for the proper—

MR. P. K. NARAYANA PILLAI (*Ambalapuzha*): Which is the particular laboratory where the microscope is used once a year?

MR. I. C. CHACKO (*Director of Industries*): The Imperial College of Science.

LIBRARY ARCHIVES Kerala Legislative Assembly

MR. T. K. VELU PILLAI (*Trivandrum* cum *Nedumangad*): May I know from Mr. Chacko whether the microscope is used only once in a year in his laboratory?

MR. I. C. CHACKO (*Director of Industries*): No. The geological microscopes are very often used. That depends upon the work that is being done. Mr. P. K. Narayana Pillai said that the machine was for demonstration to the students. The machine is intended for demonstration to the public as well. It is the idea of the Government, or rather the ambition of the Department, to induce people to take up the stoneware industry for manufacturing pipes, jars, etc. Our object is to show to the public that a fair profit could be earned from this business, if such a factory was started.

MR. C. SANKARA MENON (*Quilon*): May I know from Mr. Chacko whether there is demand for these articles in the country?

MR. I. C. CHACKO (*Director of Industries*): I indicated in the first instance that I have a sure demand for 2,300 pipes from the P. W. D. and that I hope to get considerable private demands also.

MR. S. KRISHNA AIYAR (*Mavelikara* cum *Kartikapalli*): May I know the length and diameter of the pipe?

MR. I. C. CHACKO (*Director of Industries*): 2 to 12 inches.

MR. P. K. NARAYANA PILLAI (*Ambalapuzha*): Will the same demand be kept up year after year?

MR. M. R. MADHAVA VARIAR (*Chengannur* cum *Pattanamtitta*): May I know whether jars can be made with the help of this machine?

MR. I. C. CHACKO (*Director of Industries*): Jars cannot be manufactured with this machine.

MR. JOSEPH PANJIKARAN (*Shertallai*): Will Mr. Chacko give us some idea as to the private demands that may arise?

MR. I. C. CHACKO (*Director of Industries*): It is difficult to get a correct idea.

MR. JOSEPH PANJIKARAN (*Shertallai*): May I have a rough idea of the volume of pipes that woule be required?

MR. I. C. CHACKO (*Director of Industries*): I shall give the figures I have arrived at. In the *Statistics of Travancore*, I find Rs. 20,000 worth of earthenware is imported into Travancore. Then I made enquiries of the Excise Commissioner and he could not tell me definitely what all articles were included under the head earthenware. So I presumed that a great part of it consists of earthenware pipes imported from Feroke as I know that pipes are being imported into Travancore from there.

MR. JOSEPH PANJIKARAN (*Shertallai*): May I have a rough idea of the volume of the trade in pipes that are thus imported into Travancore from Feroke?

PRESIDENT: He only presumes that most of the earthen articles imported are pipes.

RAO BAHADUR K. A. KRISHNA AIYANGAR (*Nominated*) (*Deputy President*): They can come into our State only through the

LIBRARY ARCHIVES Kerala Legislative Assembly

[Mr. I. C. Chacko.]

Arukutty chowkey. Therefore figures for the number of pipes imported should be available. Does the figure relate to the Arukutty chowkey alone?

PRESIDENT: The figure supplied by the Excise Commissioner was for the entire State.

RAO BAHADUR K. A. KRISHNA AIYANGAR (*Nominated*) (*Deputy President*): Is Mr. Chacko aware that a number of earthen glazed pots come from Tinnevelly through Aramboly chowkey?

MR. I. C. CHACKO (*Director of Industries*): That is why I do not want to be definite.

MR. T. K. VELU PILLAI (*Trivandrum cum Nedumangad*): May I know from Mr. Chacko whether he has seen earthenware pipes manufactured in the Chalakkudi Potteries?

MR. I. C. CHACKO (*Director of Industries*): They do not manufacture pipes.

MR. T. K. VELU PILLAI (*Trivandrum cum Nedumangad*): Has not Mr. Chacko seen a large number of pipes in the Chalakkudi factory when both of us visited that institution last year?

MR. I. C. CHACKO (*Director of Industries*): I never visited the Chalakkudi factory with Mr. Velu Pillai.

MR. T. K. VELU PILLAI (*Trivandrum cum Nedumangad*): We did visit the pottery factory and Mr. Chacko was also present. The members of the Economic Development Board were there.

MR. I. C. CHACKO (*Director of Industries*): The members of the Economic Development Board went there. But I was not among them.

MR. T. K. VELU PILLAI (*Trivandrum cum Nedumangad*): I wish to know whether Mr. Chacko has visited the Chalakkudi Pottery factory.

MR. I. C. CHACKO (*Director of Industries*): Yes, I have.

MR. T. K. VELU PILLAI (*Trivandrum cum Nedumangad*): Has he seen the pipes there?

MR. I. C. CHACKO (*Director of Industries*): I saw some pipes. None of them came out well; they were all twisted.

MR. T. K. VELU PILLAI (*Trivandrum cum Nedumangad*): From a commercial standpoint, were they good?

MR. I. C. CHACKO (*Director of Industries*): They were not good.

MR. JOSEPH PANJIKARAN (*Shertalai*): May I know whether these pipes are being made in the School of Arts now?

MR. I. C. CHACKO (*Director of Industries*): They are being made here. I showed some of these pipes to Mr. Panjikaran the other day when he visited the School of Arts.

LIBRARY ARCHIVES Kerala Legislative Assembly

MR. JOSEPH PANJIKARAN (*Shertalai*): How many hours does a six feet pipe require for manufacture?

MR. I. C. CHACKO (*Director of Industries*): I have to go into the process of calculation. A $2\frac{1}{2}$'' pipe takes nearly a day.

Then about the carpentry school at Quilon, Mr. Sankara Menon said that the paucity of students in the carpentry school was not due to their poverty. I have gone into the statistics from the beginning of the school. I made a list of students that attended the school, from the year in which it was started, up to the present; and I find that most of the students are people from Asramam and other places adjoining the carpentry school. Naturally I wanted to find out the cause of the peculiar phenomenon. My conclusion was that it was because the stipends were too low for students coming from other parts of Travancore and staying there. So I recommended to Government that stipends should be raised so that the school might be useful to all people in Travancore.

MR. C. SANKARA MENON (*Quilon*): May I know from Mr. Chacko the number of carpenters who have passed the Vernacular Test prescribed for admission to the school?

PRESIDENT: How does that arise?

MR. C. SANKARA MENON (*Quilon*): Certain qualifications for admission were prescribed by Government.

PRESIDENT: The rule says that preference should be given to the members of that community. I do not think there is any prohibition in the matter of other communities being admitted. I also believe the rules give discretion to the committee of visitors to exempt persons from examination qualification for admission.

MR. C. SANKARA MENON (*Quilon*): Mr. Chacko's reference was only with respect to that community.

PRESIDENT: He did not refer to the particular community.

MR. I. C. CHACKO (*Director of Industries*): In my estimate, if the P. W. D. and Agricultural Departments would buy our pipes at the rate at which they are now being supplied by the Feroke firm, we shall be making a profit of Rs. 2,000, *i. e.*, about one rupee per pipe. In arriving at that figure, I have taken into account the interest on Rs. 6,000 and I have allowed a depreciation of about 5 per cent.

MR. S. KRISHNA AIYAR (*Mavelikara* cum *Kartikapalli*): May I know the cost of the materials and the expenditure on transport in figures?

MR. I. C. CHACKO (*Director of Industries*): The figures would come to Rs. 8,000.

MR. P. K. NARAYANA PILLAI (*Ambalapuzha*): May I know at what rate the interest was calculated?

MR. I. C. CHACKO (*Director of Industries*): Six per cent.

MR. S. KRISHNA AIYAR (*Mavelikara* cum *Kartikapalli*): May I know wherefrom the materials for the manufacture are to be transported?

LIBRARY ARCHIVES Kerala Legislative Assembly

[Mr. M. N. Pillai.]

MR. I. C. CHACKO (*Director of Industries*): From the neighbourhood of Killiyar where we have kaolin.

PRESIDENT: I shall split the motion into two parts. The first part runs as follows:

The question is that a sum of Rs. 1,304 for enhancing the stipends tenable in the Government Carpentry and Smithery School at Quilon under Demand XIV—Industries be granted.

The grant was sanctioned.

PRESIDENT: The second part runs as follows:

The question is that a sum of Rs. 6,000 for the purchase of a machine and accessories for the manufacture of stoneware pipes under Demand XIV—Industries be granted.

The motion was put to the vote and lost, 18 voting *for* and 20 *against*.

The Council adjourned for lunch at 2-30 P. M. and re-assembled at 3-19 P. M.

DEMAND XV—MEDICAL DEPARTMENT.

MRS. M. POONEN LUKOSE (*Surgeon in charge*): Sir, I beg to move for a grant not exceeding Rs. 5,803 under Demand XV—Medical Department.

As will be seen from the printed notice, the demand is made up of three items. The first is Br. Rs. 900 for contribution to the Tekkadi Dispensary. At Kumili in the Peermade taluk, there is no Government Medical Officer. There is a small population consisting of coolies of the P. W. D. and the inhabitants of the place. The present arrangement is for the Medical Officer at Peermade to visit Kumili once or twice a week. Kumili is about 20 miles away from Peermade and the House will realise that the work cannot be satisfactorily done under the present arrangement. The Medical Officer has to travel to that place carrying with him his medicines. He cannot possibly stay there for more than two or three hours at each visit. The result is that the coolies do not get sufficient attention at the hands of the Medical Officer, especially when there is an epidemic. It is therefore thought that, as there is a British Dispensary at Tekkadi, which supplies the needs of the coolies of the British P. W. D., that officer might be asked to look after the inhabitants of Kumili as well. Arrangements were made regarding that proposal and the British Government are prepared to ask their Medical Officer to take up that work on condition that we pay them a compensation of Br. Rs. 900 a year. If we are to start a dispensary of our own, it will cost at least Rs. 1,800 for upkeep only. The House will see that it is in the interests of economy as well as for rendering proper medical aid to the people of Kumili that the proposal for giving a contribution has been brought forward.

MR. M. N. PILLAI (*Trivandrum*): I wish to know the distance between Kumili and Tekkadi.

LIBRARY ARCHIVES Kerala Legislative Assembly